

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 14875-0155US1	Application No. 10/564,665
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Reiko Irie et al.	
		Filing Date September 21, 2006	Group Art Unit 1644
(37 CFR §1.98(b))			

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1	2004/0170623	09/02/2004	Tudor et al.			
	2	2005/0118167	06/02/2005	Akira et al.			
	3	2006/0127395	06/15/2006	Tudor et al.			
	4	2007/0249812	10/25/2007	Hayasaka et al.			
	5	2007/0212346	09/13/2007	Igawa et al.			
	6	5,157,113	10/20/1992	Dove et al.			
	7	5,190,752	03/02/1993	Möller et al.			
	8	5,792,838	08/11/1998	Smith et al.			
	9	5,908,826	06/01/1999	Fukuda et al.			
	10	6,136,312	10/24/2000	Rentsch			
	11	6,238,891	5/29/2001	Maiorella et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	12	EP 0 352 500	01/31/1990	Europe			Abstract only	
	13	EP 1 174 148	01/23/2002	Europe				
	14	JP 2-000493	01/05/1990	Japan			Abstract only	
	15	JP 2-078635	03/19/1990	Japan			Abstract only	
	16	JP 6-189781	07/12/1994	Japan			Abstract only	
	17	JP 7-502497	03/16/1995	Japan			Abstract only	
	18	JP 9-127112	05/16/1997	Japan			Abstract only	
	19	JP 9-127114	05/16/1997	Japan			Abstract only	
	20	JP 2001-504092	03/27/2001	Japan			Abstract only	
	21	WO 89/04867	06/01/1989	WIPO				
	22	WO 91/18106	11/28/1991	WIPO				

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							Yes	No
	23	WO 93/08837	05/13/1993	WIPO				
	24	WO 99/37329	07/29/1999	WIPO				
	25	WO 00/66160	11/09/2000	WIPO			English abstract	
	26	WO 02/096457	12/05/2002	WIPO				
	27	WO 2005/035573	04/21/2005	WIPO			English abstract	
	28	WO 2005/035574	04/21/2005	WIPO			English abstract	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	29	CHEN et al., "Strategies to Suppress Aggregation of Recombinant Keratinocyte Growth Factor During Liquid Formulation Development," <i>J. Pharm. Sci.</i> , 83:1657-1661 (1994)
	30	DRÁBER et al., "Stability of Monoclonal IgM Antibodies Freeze-Dried in the Presence of Trehalose," <i>Journal of Immunological Methods</i> , 181:37-43 (1995)
	31	GARCÍA-GONZÁLEZ et al., "Purification of Murine IgG3 and IgM Monoclonal Antibodies by Euglobulin Precipitation," <i>Journal of Immunological Methods</i> , 111:17-23 (1988)
	32	GOMBOTZ et al., "The Stabilization of a Human IgM Monoclonal Antibody with Poly(vinylpyrrolidone)," <i>Pharm. Res.</i> 11:624-632 (1994)
	33	KALLEMUCHIKKAL et al., "Evaluation of cryoglobulins," <i>Arch. Pathol. Lab. Med.</i> , 123:119-125 (1999)
	34	MIDDAUGH et al., "Effect of solutes on the cold-induced insolubility of monoclonal cryoimmunoglobulins," <i>J. Biol. Chem.</i> , 252:8002-06 (1977)
	35	MIDDAUGH et al., "Molecular basis for the temperature-dependent insolubility of cryoglobulins. IV. Structural studies of the IgM monoclonal cryoglobulin McE," <i>Immunochem.</i> , 15:171-187 (1978)
	36	MOLINA et al., "The Effects of Divalent Cations in the Presence of Phosphate, Citrate and Chloride on the Aggregation of Soy Protein Isolate," <i>Food Research International</i> , 32:135-143 (1999)
	37	MONICA et al., "Comparative Biochemical Characterization of a Human IgM Produced in Both Ascites and <i>In vitro</i> Cell Culture," <i>Biotechnology</i> , 4:512-515 (1993)
	38	NIFONG et al., "Separation of IgG and IgM from albumin in citrated human plasma using electrodialysis and metal ion affinity precipitation," <i>ASAIO J.</i> , 48:645-649 (2002)
	39	PAGE et al., "Purification of monoclonal antibodies," <i>Methods Mol. Biol.</i> , 80:113-119 (1998)
	40	PHILLIPS et al., "Manufacture and quality control of CAMPATH-1 antibodies for clinical trials," <i>Cytotherapy</i> , 3:233-242 (2001)
	41	SHARMA et al., "Study of IgM Aggregation in Serum of Patients with Macroglobulinemia," <i>Clin. Chem. Lab. Med.</i> , 38:759-764 (2000)
	42	STEINBUCH et al., "Preparation of an IgM and IgA enriched fraction for clinical use," <i>Prep. Biochem.</i> , 3:363-373 (1973)

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Other Documents (include Author, Title, Date, and Place of Publication)		
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	43	U.S. EXAMINER AGNES BEATA ROOKE, USPTO Non-Final Office Action in U.S. App. Ser. No. 10/574,827, dated March 12, 2008, 11 pages
	44	FISH & RICHARDSON P.C., Amendment in Reply to Action dated March 12, 2008 in U.S. App. Ser. No. 10/574,827, filed September 11, 2008, 9 pages
	45	U.S. EXAMINER CHIH MIN KAM, USPTO Non-Final Office Action in U.S. App. Ser. No. 10/574,827, dated December 19, 2008, 7 pages
	46	FISH & RICHARDSON P.C., Amendment in Reply to Action dated December 19, 2008 in U.S. App. Ser. No. 10/574,827, filed June 18, 2009, 5 pages
	47	JAPANESE PATENT OFFICE, International Search Report for App. Ser. No. PCT/JP2004/014919, mailed December 7, 2004, 4 pages
	48	JAPANESE PATENT OFFICE, International Preliminary Report on Patentability for App. Ser. No. PCT/JP2004/014919, dated September 12, 2005, 14 pages
	49	U.S. EXAMINER SHARON X. WEN, USPTO Restriction Requirement in U.S. App. Ser. No. 10/575,192, dated April 15, 2008, 7 pages
	50	FISH & RICHARDSON P.C., Response to Restriction Requirement dated April 15, 2008 in U.S. App. Ser. No. 10/575,192, filed September 12, 2008, 1 page
	51	U.S. EXAMINER SHARON . WEN, USPTO Non-Final Office Action in U.S. App. Ser. No. 10/575,192, dated January 26, 2009, 11 pages
	52	JAPANESE PATENT OFFICE, International Search Report for App. Ser. No. PCT/JP2004/014935, mailed January 25, 2005, 4 pages
	53	JAPANESE PATENT OFFICE, International Preliminary Report on Patentability for App. Ser. No. PCT/JP2004/014935, 14 pages
	54	EUROPEAN EXAMINER PETER BUMB, European Search Report for App. Ser. No. EP 04 79 2204, mailed July 11, 2007, 3 pages
	55	JAPANESE PATENT OFFICE, International Search Report for App. Ser. No. PCT/JP2004/010444, mailed October 26, 2004, 4 pages
	56	JAPANESE PATENT OFFICE, International Preliminary Report on Patentability for App. Ser. No. PCT/JP2004/010444, dated June 3, 2005, 5 pages

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